

INCH-POUND

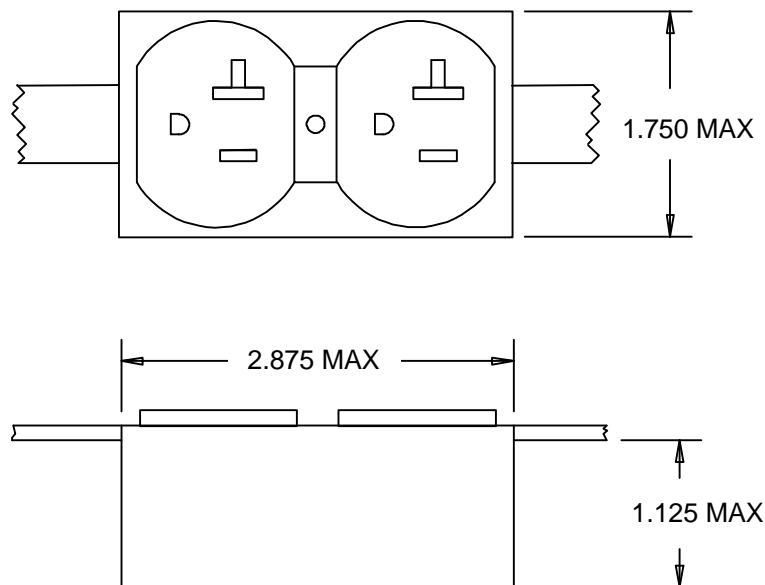
W-C-596/40D
30 August 2000
SUPERSEDING
W-C-596/40C
5 June 1992

FEDERAL SPECIFICATION SHEET

CONNECTOR, RECEPTACLE, ELECTRICAL, GENERAL PURPOSE, DUPLEX,
GENERAL GRADE AND HOSPITAL GRADE, GROUNDING, 2 POLE, 3 WIRE,
20 AMPERES, 125 VOLTS, 50/60 HERTZ, BOX MOUNT AND SNAP-IN MOUNT

The General Services Administration has authorized the use
of this federal specification sheet by all federal agencies.

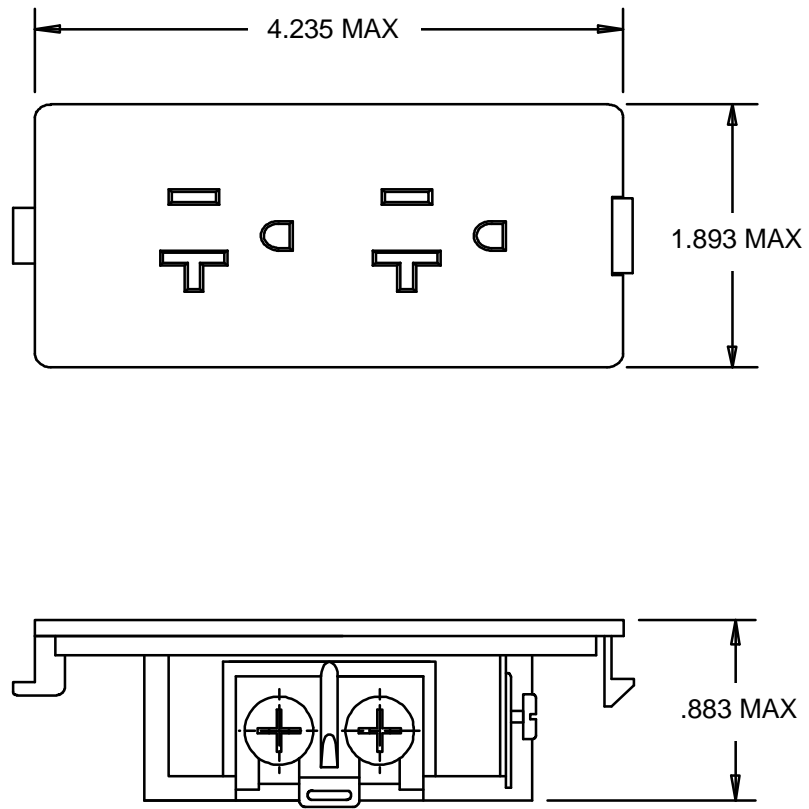
The complete requirements for procuring the connectors described herein shall
consist of this document and the latest issue of W-C-596/GEN.



Box mount receptacle

FIGURE 1. Configurations and dimensions.

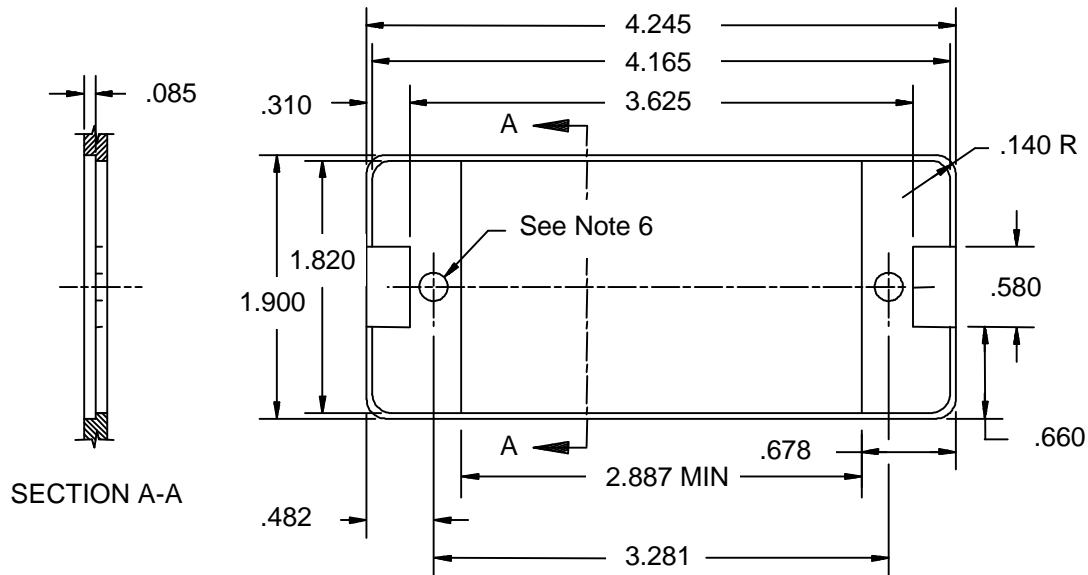
W-C-596/40D



Snap-in mount receptacle (for raceway)

FIGURE 1. Configurations and dimensions - Continued.

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Recommended snap-in mounting opening

| Inches | mm | Inches | mm | Inches | mm |
|--------|-------|--------|-------|--------|-------|
| .003 | 0.076 | .678 | 17.2 | 2.875 | 73.02 |
| .085 | 2.16 | .883 | 22.4 | 2.887 | 73.33 |
| .140 | 3.56 | 1.125 | 28.57 | 3.281 | 83.34 |
| .310 | 7.87 | 1.750 | 44.45 | 3.625 | 92.07 |
| .482 | 12.2 | 1.820 | 46.23 | 4.165 | 105.8 |
| .580 | 14.7 | 1.893 | 48.08 | 4.235 | 107.6 |
| .660 | 16.8 | 1.900 | 48.26 | 4.245 | 107.8 |

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. For mounting dimensions of the box mount receptacle, see figure 11, configuration B of W-C-596.
4. Center line spacing of outlets shall be in accordance with NEMA WD-6 for duplex receptacles.
5. Tolerances on recommended snap-in mounting opening dimensions are $\pm .003$ inches.
6. Screw holes shown in recommended snap-in mounting opening are for a standard duplex receptacle and are optional.
7. Undimensioned pictorials are for reference purposes only.

FIGURE 1. Configurations and dimensions - Continued.

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REQUIREMENTS

Design and configuration: General grade and hospital grade (see figure 1).

Dimensions: Shall conform to ANSI/NEMA WD 6 configuration 5-20R.

Ratings:

Voltage: 125 volts.

Current: 20 amperes.

Frequency: 50/60 Hertz.

Mating connector: W-C-596/42.

Part or Identifying Number (PIN): WC596/40- (dash number from table I).

TABLE I. Dash number.

| Dash number | Supersedes style <u>1/</u> | Description <u>2/</u> | Mounting | Color |
|-------------|----------------------------|-----------------------|----------|-------|
| 1 | X3, X4, X7, X8 | General grade | Box | Ivory |
| 2 | X3, X4, X7, X8 | General grade | Box | Brown |
| 3 | | Hospital grade | Box | Ivory |
| 4 | | Hospital grade | Box | Brown |
| 5 | | General grade | Snap-in | Ivory |
| 6 | | General grade | Snap-in | White |
| 7 | | General grade | Snap-in | Grey |

1/ Style X9 is canceled.

2/ Receptacles may have back terminals, side terminals or back and side terminals.

Supersession and cross-reference: See table II.

TABLE II. Supersession and cross-reference.

| Active Government PIN | Superseded number <u>1/</u> | | | | | | | | | | |
|-----------------------------|-----------------------------|--|---------------------------------------|----------------------------------|-------------------------------------|---------------|---------------|------------------|-------------------------------|---------------------------|---------------|
| | CAGE 74545 | CAGE 75582 | CAGE 04009 | CAGE 11419 | CAGE 71183 | CAGE 73586 | CAGE 77881 | CAGE 81091 | CAGE 21873 | CAGE 08556 | CAGE 82379 |
| WC596/40-1 | 5362-I 5352-I | 5800 5800-I 5896-I 55896-I 55800-I | 5739-1 5735-I 5762-I 5739-SI | 1464 1466 1460 1462 | 5362-I 5352-I 5342-I 805-I | 2532-I | 494V | 5352-I 5350-I | 3300-IV 5352-IV 5362-IV | 5362-I 5352-I 606-I | 1540I |
| WC596/40-2 | 5362 5352 5342 | 5800 5896 55896 55800 | 5739 5735 5762 | 1464X 1466X 1460X 1462X | 5362 5352 5342 805 | 2532 | 494 | 5352 5350 | 3300-BR 5352-BR 5362-BR | 5362 5352 606 | 1540 |
| WC596/40-3 | 8300-I | 5362-HGI | | | 8300-I | 8300-I | | 5300-HGI | 8300-HG-IV | | |
| WC596/40-4 | 8300 | 5362-HG | | | 8300 | 8300 | | 6300-HG | 8300-HG BR | | |

1/ CAGE is the Commercial And Government Entity code which is assigned and maintained by the Defense Logistics Information Service (DLIS) in Battle Creek, MI.

MILITARY INTERESTS:

Custodians

Army - CR
Navy – EC
Air Force - 11
DLA - CC

Review activities

Army - AV, CR4, MI
Navy - AS, MC, SH
Air Force – 19, 99

CIVIL AGENCY COORDINATING ACTIVITIES:

DCGOVT - DCG
DOT - ACO
GSA - 7FXE
HHS - FEC
USDA - AFS
VA - OSS

PREPARING ACTIVITY: DLA - CC

(Project 5935-4297)